

## Timeline

1992 – March 2018	Aqua Illinois - University Park monitoring results indicate no problem with lead prior to March 2018.
March 2018	Aqua Illinois - University Park switches source water from groundwater to surface water. Illinois EPA issues the required operating permit. The water quality changes significantly from a high hardness, high alkalinity water to lower hardness, lower alkalinity water. There is also a pH change. The chloride concentration increases.
August 2018	The first round of lead sampling done since the switch in source water results in a few lead detections in homes that are above the 15 ug/L action level. Five of the 43 samples are above 15 ug/L. Twenty-eight of the samples are non-detect. The highest result is 34 ug/L. The reported 90 <sup>th</sup> percentile compliance value is 15 ug/L.
November 2018	Aqua Illinois – University Park adds a blended phosphate because of iron deposits from the previous source water. Illinois EPA issues the required operating permit based upon the report of no lead service lines present in the community.
May 22, 2019	The second round of lead sampling begins. Samples are sent to the laboratory for analysis.
June 13, 2019	The laboratory contacts Aqua Illinois with preliminary results that show high levels of lead from several locations in University Park. Aqua Illinois staff contacts Illinois EPA and indicates that there may be a laboratory error.
June 14, 2019	After a re-analysis that confirms the results, Aqua Illinois contacts the Illinois EPA and issues a “Do Not Consume” advisory.
June 15, 2019	Aqua Illinois switches blended phosphate chemicals from a polyphosphate to an orthophosphate with Illinois EPA agreement.
Now	Illinois EPA continues to discuss with Aqua Illinois about necessary monitoring requirements to verify that the change in phosphate chemical is coating the copper pipes with lead solder with phosphate to prevent elevated lead levels in tap water. Illinois encourages all water customers to use a pitcher filter or point of use (POU) filter certified by NSF for removal of lead. This is especially true for properties where there is copper pipe with lead solder.

This timeline was developed by Illinois EPA staff based upon the best information that is available at the current time. A more detailed timeline has been requested from Aqua Illinois. Illinois EPA is working to make individual lead results available that show the change in lead concentration of water in the different areas of the community over time. (June 21, 2019)